

OBS Studio

OBS Studio (also **Open Broadcaster Software** or **OBS**, for short)^[7] is a [free and open-source](#), [cross-platform screencasting](#) and [live streaming](#) app. It is available for [Windows](#), [macOS](#), [Linux distributions](#), and [BSD](#). The OBS Project raises funds on [Open Collective](#) and [Patreon](#).^{[8][9]}

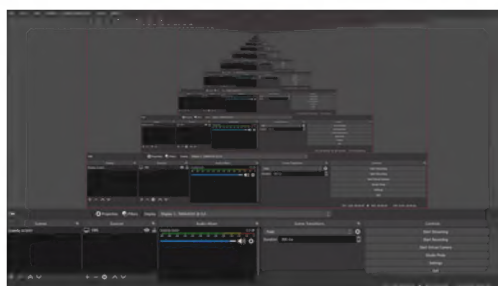
Overview

OBS Studio is a free and open-source app for screencasting and live streaming. Written in [C/C++](#) and built with [Qt](#), OBS Studio provides real-time capture, scene composition, recording, encoding, and broadcasting via [Real-Time Messaging Protocol](#) (RTMP), [HLS](#), [SRT](#), [RIST](#) or [WebRTC](#). It can stream videos to any RTMP-supporting destination, including [YouTube](#), [Twitch](#), [Instagram](#) and [Facebook](#).^[10]

For video encoding, OBS Studio can use the [x264](#), [AOM-AV1](#), [SVT-AV1 transcoder](#),^[11] [Intel Quick Sync Video](#), [Nvidia NVENC](#), [AMD Video Coding Engine](#) and [VAAPI](#) to encode video streams into the [H.264/MPEG-4 AVC](#) or [H.265/HEVC](#) formats.^[12] It can encode multiple tracks of audio in [AAC](#) and [Opus](#) format. More experienced users can choose any codecs and containers available in [libavcodec](#) and [libavformat](#), or output the stream to a custom [FFmpeg](#) URL.^[13]

OBS Studio also supports plug-ins to extend its functionality.^[14]

User interface



OBS 26.1.0

The main user interface is organized into five sections: scenes, sources, audio mixer, transitions, and controls. Scenes are groups of sources like live and recorded video, text and audio. The mixer panel lets the user mute the audio, and adjust the volume through virtual [faders](#), and apply effects by pressing the cogwheel next to the mute button. The control panel has options for starting/stopping a stream or recording, a button to transform OBS to a more professional Studio Mode (see below), a button for opening the settings menu and a button to exit the program. The upper section has a live video preview, used to monitor and edit the current scene. The user interface can be switched to a variety of themes, including both dark and light themes,

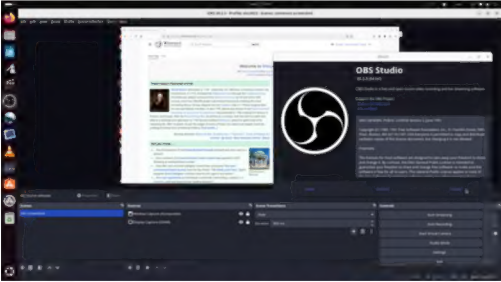
depending on what the user prefers. The layout of the interface can further be customized by undocking or adjusting the size and location of each panel.

When in Studio Mode, there are two canvas preview windows, the left one for modifying and preview of non-active scenes, while the right window is for preview of the live scene ("Preview" and "Program" respectively). In the middle there is a secondary transition button, allowing for transitioning to the non-active scene in the left window using user-defined "quick transitions".

History

OBS Studio started out as a small project created by Lain Bailey, but quickly grew with the help of many online collaborators working both to improve OBS and to share knowledge about the program. The first version was released in August 2012.^[15] In 2013, development started on a rewritten version known as OBS Multiplatform (later renamed OBS Studio) for multi-platform support, a more thorough feature set, and a more powerful API.^[16] In 2016, OBS "Classic" lost support and OBS Studio became the primary version.^[17] In March 2022, OBS was released on Steam for both Windows and Mac.^[18]

On 16 December 2021, an OBS Studio developer drew attention to an invitation-only release of **TikTok** Live Studio, which appeared to be based on OBS Studio, without acknowledgement and in violation of OBS Studio's license.^{[19][20]}

OBS Studio 	
 OBS Studio running on Ubuntu	
Original author(s)	Lain Bailey
Initial release	v0.32a / 1 September 2012 ^[1]
Stable release	31.0.3 / March 28, 2025
Repository	github.com/obsproject/obs-studio (https://github.com/obsproject/obs-studio)
Written in	C, C++ ^[2]
Operating system	Windows 10 or later, macOS Big Sur (11) or later, Linux (Ubuntu 20.04 or later), BSD ^{[3][4]}
Platform	x86-64 and Apple silicon
Available in	59 languages ^[5]
List of languages	[show]

See also



Free and open-source software portal

- [Comparison of screencasting software](#)
- [List of free and open-source software packages](#)

References

Type	Software vision mixer, streaming media
License	GPL-2.0-or-later ^[6]
Website	obsproject.com (https://obsproject.com)

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External links

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- [Official website \(https://obsproject.com/\)](https://obsproject.com/) 
 - [obs-studio \(https://github.com/obsproject/obs-studio\)](https://github.com/obsproject/obs-studio) on GitHub